


STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒

APPLICATION FOR PERMIT TO DRILL				1. WELL NAME and NUMBER Moon 4-29-4-2		
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				3. FIELD OR WILDCAT UNDESIGNATED		
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO				5. UNIT or COMMUNITIZATION AGREEMENT NAME		
6. NAME OF OPERATOR HARVEST (US) HOLDINGS, INC				7. OPERATOR PHONE 281 899-5722		
8. ADDRESS OF OPERATOR 1177 Enclave Parkway, Houston, TX, 77077				9. OPERATOR E-MAIL jmckee@harvestnr.com		
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee		11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>		12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Moon Ranch, LLC				14. SURFACE OWNER PHONE (if box 12 = 'fee')		
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') P.O. Box 154, ,				16. SURFACE OWNER E-MAIL (if box 12 = 'fee')		
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>		
20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	623 FNL 2130 FWL	NENW	29	4.0 S	2.0 W	U
Top of Uppermost Producing Zone	623 FNL 2130 FWL	NENW	29	4.0 S	2.0 W	U
At Total Depth	623 FNL 2130 FWL	NENW	29	4.0 S	2.0 W	U
21. COUNTY DUCHESNE		22. DISTANCE TO NEAREST LEASE LINE (Feet) 510		23. NUMBER OF ACRES IN DRILLING UNIT 40		
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1500		26. PROPOSED DEPTH MD: 6600 TVD: 6600		
27. ELEVATION - GROUND LEVEL 5463		28. BOND NUMBER		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Neil Moon Pond		
ATTACHMENTS						
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
NAME Terry Hoffman		TITLE Permitting Agent		PHONE 303 250-0619		
SIGNATURE		DATE 10/29/2009		EMAIL tlhoffman@q.com		
API NUMBER ASSIGNED 43013500040000		APPROVAL  Permit Manager				

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	8.625	0	600		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	600	24.0			

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Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	5.5	0	6600		
Pipe	Grade	Length	Weight			
	Grade J-55 LT&C	6600	15.5			

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HARVEST (US) HOLDINGS, INC.

MOON #4-29-4-2

NENW Section 29-T4S-R2W

Duchesne County, Utah

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

UINTAH 0' – 2,750'
GREEN RIVER 2,750'
TD 6,600'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

Green River Formation (Oil) 2,750' – 6,600'

Fresh water may be encountered in the Uintah Formation, but would not be expected below about 350'.

4. PROPOSED CASING PROGRAM

a. Casing Design:

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface Casing 8-5/8" Hole Size 12-1/4"	0'	600'	24.0	J-55	STC	2,950 psi 9.96 SF	1,370 psi 5.23 SF	244,000 lbf 16.9 SF
Prod. Casing 5-1/2" Hole Size 7-7/8"	0'	6,600'	15.5	J-55	LTC	4,810 psi 2.29 SF	4,040 psi 1.92 SF	217,000 lbf 2.12 SF

Assumptions:

- 1) Surface casing Maximum Allowable Surface Pressure (MASP) = Fracture gradient - Gas gradient
- 2) Production casing MASP (production mode) = Pore pressure - gas gradient
- 3) All collapse calculations assume fully evacuated casing w/gas gradient
- 4) All tension calculations assume air weight

Fracture gradient at surface casing shoe = 13.0 ppg
Pore pressure at surface casing shoe = 8.33 ppg
Pore pressure at production casing shoe = 8.33 ppg
Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

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All casing strings shall have a minimum of one (1) centralizer on each of the bottom three (3) joints.

b. Cementing Design:

Job	Fill	Description	Sacks	OH Excess*	Weight (ppg)	Yield (ft ³ /sk)
			ft ³			
Surface casing	600'	Class G w/ 2% CaCl	276	30%	15.8	1.17
			322			
Prod. casing Lead	4,600'	Prem Lite II w/ 10% gel + 3% KCl	318	30%	11.0	3.26
			1036			
Prod. casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363	30%	14.3	1.24
			451			

*Actual volume pumped will be 15% over the caliper log.

-Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours.

-Compressive strength of tail cement: 2500 psi @ 24 hours

Waiting on Cement (WOC): A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out the wiper plug, cement, or shoe is begun. WOC time shall be recorded in the Driller's Log. Compressive Strength shall be a minimum of 500 psi prior to drilling out.

The 8-5/8" surface casing shall, in all cases, be cemented back to surface. In the event that during the primary surface cementing operation, the cement does not circulate to surface, or if the cement level should fall back more than 8' from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200' above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable pre-flush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displaced ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

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5. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS

<i>Depth</i>	<i>Type</i>	<i>Weight</i>	<i>Vis</i>	<i>Water Loss</i>
0-3200'	*Water	8.33	27	N/C
3200-TD	Water	8.4	27	N/C

*or an air/mist system

From surface to ± 3200 feet will be drilled with either fresh water or an air/mist system, depending on the drilling contractor's capabilities. From about 3200 feet, or in the case of the air/mist system when hole conditions dictate, to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCL substitute additive. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 ppg. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite, and if pressure conditions warrant, with barite.

6. AUXILIARY SAFETY EQUIPMENT TO BE USED

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

7. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

The Company's minimum specifications for pressure control equipment for a standard Green River well are as follows:

A 2000 psi WP hydraulic BOP stack consisting of two ram preventers (double or two singles) and either an annular preventer or a rotating head. If no annular preventer is used, ram blocks will be changed to match the outside diameter of casing and the stack will be retested prior to running any casing string.

Connections – All components on the stack and choke and kill lines shall have either flanged, studded, clamp hub or equivalent proprietary connections except control line outlets and pressure gauges.

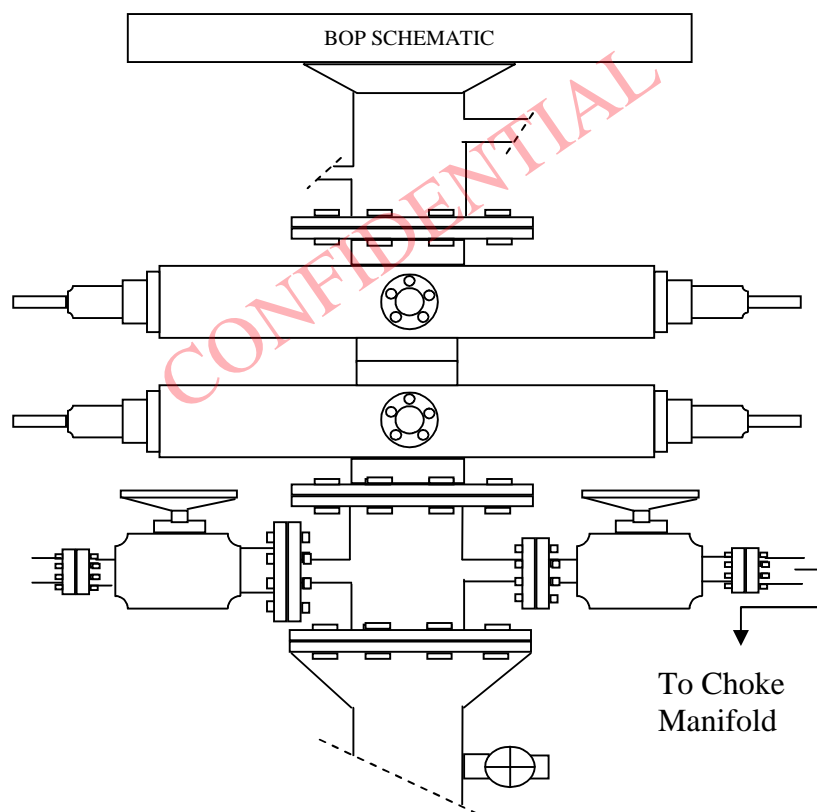
Choke Manifold – The minimum equipment requirements are shown below. The choke manifold shall be located at least 5 feet from the BOP stack, outside the substructure.

Pressure Monitoring – A means of monitoring the inlet pressure of the choke manifold shall be provided. The capability to isolate this outlet shall be provided.

Drill String Control Devices – An upper and lower Kelly valve, drill string safety valve, including correct closing handle, and an inside BOP shall be provided. The safety valve and inside BOP shall have connections or crossovers to fit all tubulars with OD to allow adequate clearance for running in the hole. All drill string valves shall be rated to the required BOP working pressure.

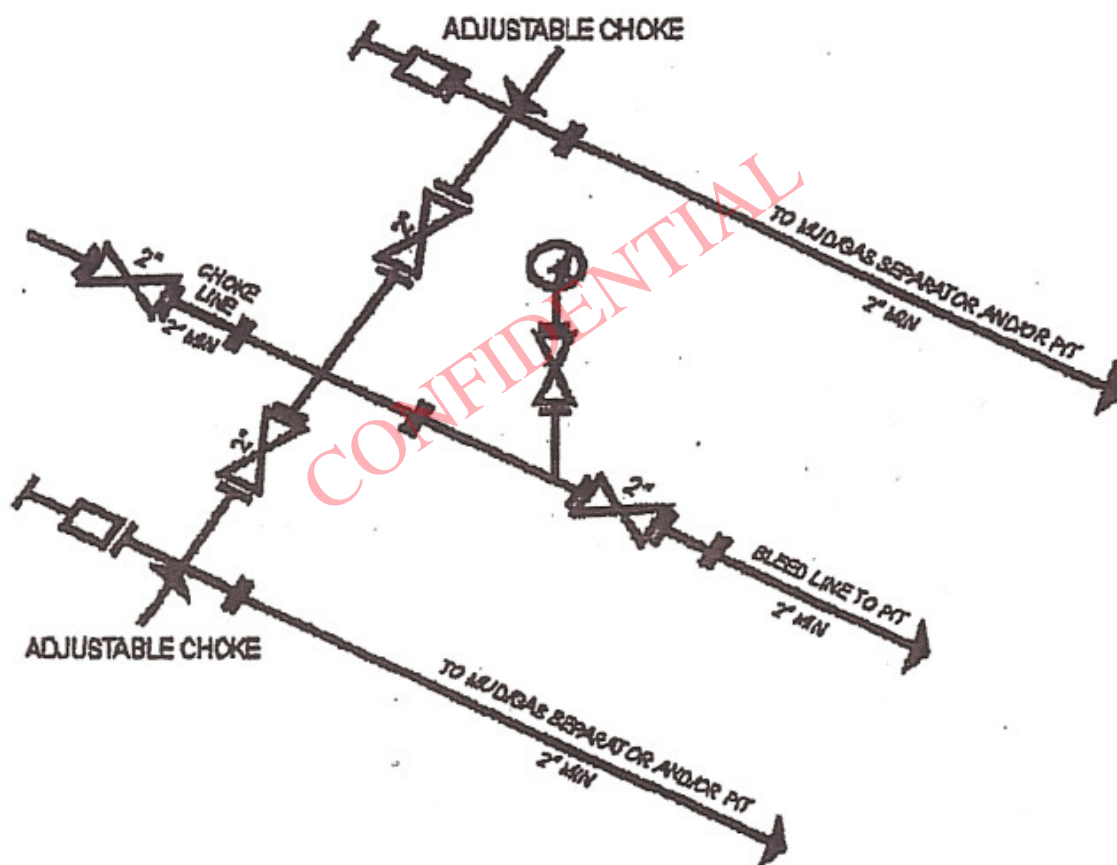
The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 (BLM) for equipment and testing requirements, procedures, etc., for a 2000 psi system, and individual components shall be operable as designed.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling.



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2000 psi Choke Manifold



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8. TESTING, LOGGING AND CORING PROGRAMS

a. Logging Program:

FDC/CNL/GR/DLL:

TD – 3,200'

CBL: A cement bond log will be run from TD to the cement top of the production casing.

Note: The log types run may change at the discretion of the geologist.

b. Cores: As deemed necessary

c. Drill Stem Tests: No DSTs are planned in the Green River

Drill stem tests, if they are run, will adhere to the following requirements: Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the Authorized Officer (AO). However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the AO. Closed chamber DSTs may be performed day or night.

Some means of reverse circulation shall be provided in case of flow to the surface showing evidence of hydrocarbons.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

If a DST is performed, all engines within 100 feet of the wellbore that are required to be operational during the test shall have spark arresters or water-cooled exhausts.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE

No abnormal pressures or temperatures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottom hole pressure will be fresh water gradient, i.e., 0.433 psi/foot of depth.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Anticipated Commencement Date:

Upon approval of the site specific APD

Drilling Days:

Approximately 7

Completion Days:

Approximately 10-14

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11. CONTACT INFORMATION:

Rocky Mountain Permitting, LLC
Terry L. Hoffman/Permitting Agent
303.250.0619 Office/Cell
303.412.8212 Fax
tlhoffman@q.com

Please use the above mentioned contact for any questions or concerns regarding the Form 3 Application for Permit to Drill, Drilling Plan or scheduling the onsite inspection. If the above mentioned contact is not available you may reach the following person:

Harvest (US) Holding, Inc.
Joe Schmid
Uintah Drilling & Production Superintendent
435.725.1901 Office
832.794.6019 Cell
jschmidharvestnr.com

T4S, R2W, U.S.B.&M.

HARVEST (US) HOLDINGS, INC.

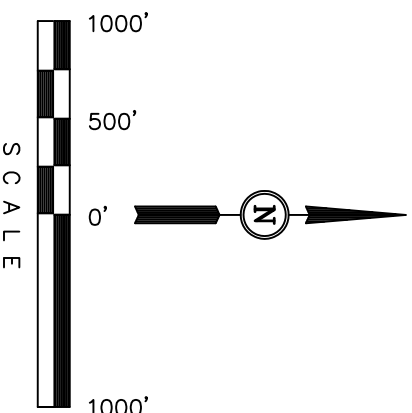
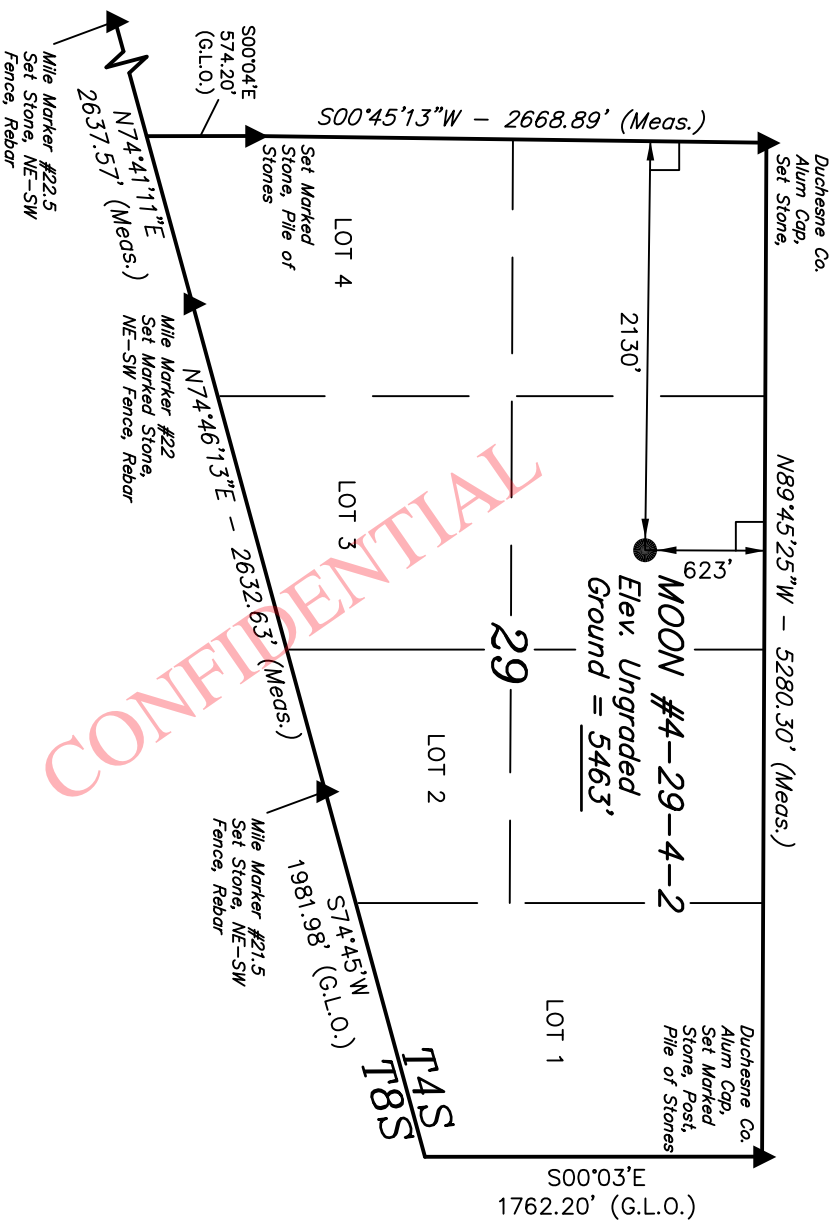
Well location, MOON #4-29-4-2, located as shown the NE 1/4 NW 1/4 of Section 29, T4S, R2W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK US2 LOCATED IN THE SW 1/4 OF SECTION 29, T4S, R2W, U.S.B.&M. TAKEN FROM THE MYTON SW QUADRANGLE, UTAH, DUCHEсне COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5508 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT L. KAY
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 11-11-08

UINTAH ENGINEERING & LAND SURVEYING

86 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

LEGEND:

— = 90° SYMBOL

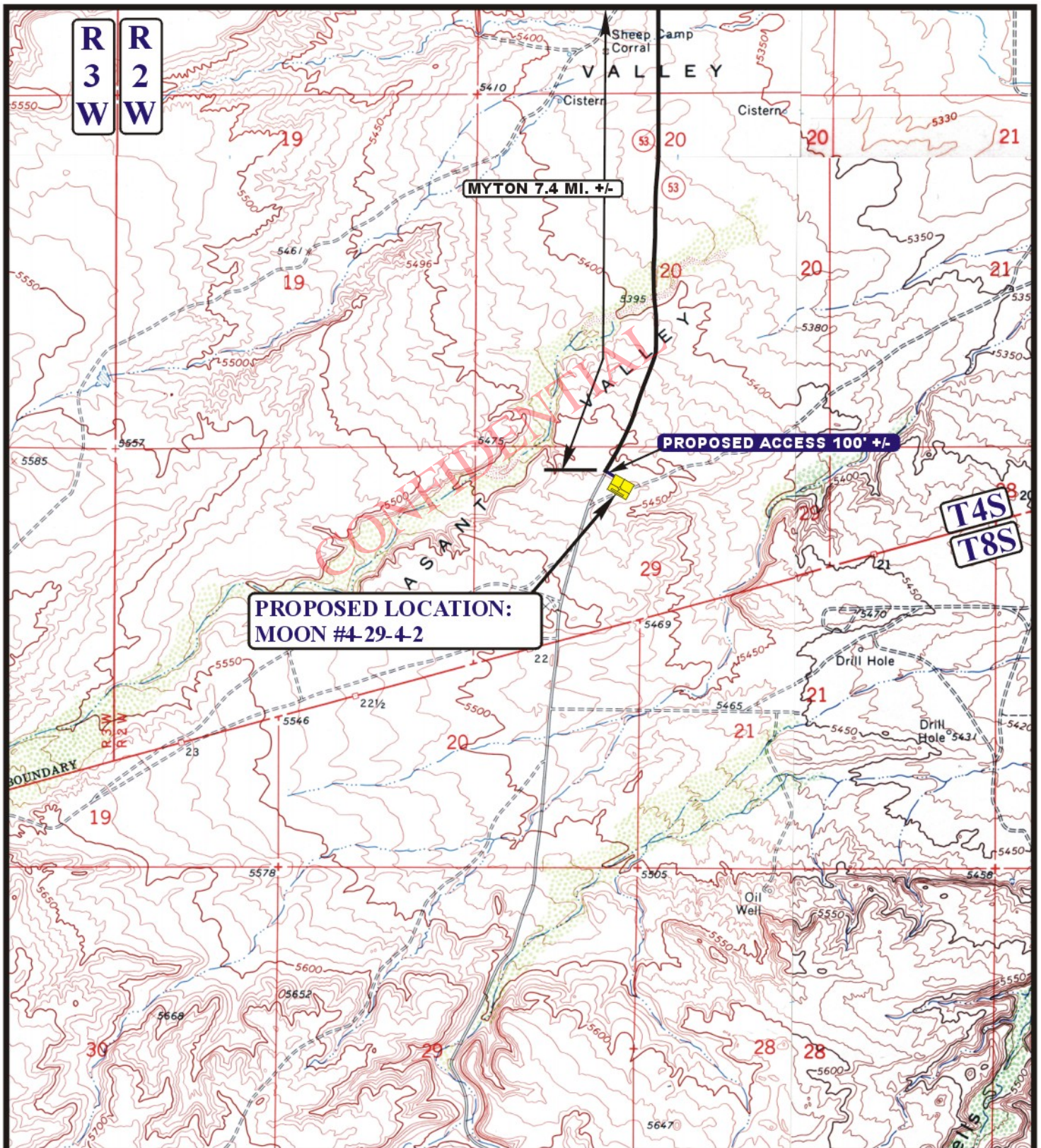
● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°06'41.46" (40.111517)
LONGITUDE = 110°08'06.00" (110.135000)

(NAD 27)
LATITUDE = 40°06'41.60" (40.111556)
LONGITUDE = 110°08'03.45" (110.134292)

SCALE	1" = 1000'	DATE SURVEYED:	DATE DRAWN:
PARTY	B.B. K.D. L.K.	REFERENCES	G.L.O. PLAT
WEATHER	COOL	FILE	HARVEST (US) HOLDINGS, INC.



LEGEND:

— EXISTING ROAD
 - - - PROPOSED ACCESS ROAD

HARVEST (US) HOLDINGS, INC.

MOON #4 29-4-2
SECTION 29, T4S, R2W, U.S.B.&M.
623' FNL 2130' FWL

U&L **Uintah Engineering & Land Surveying**
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC **10 20 08**
MAP **MONTH DAY YEAR**
 SCALE: 1" = 2000' DRAWN BY: J.H. REVISED: 11-11-08

B
TOPO

MEMORANDUM OF SURFACE DAMAGE RELEASE

State of Utah)
)
 County of Duchesne)

For Ten Dollars (\$10.00) and other adequate consideration, Moon Ranch, LLC of P.O. Box 154, Duchesne, Utah 84021-0154, hereafter referred to as "Surface Owner" has granted, a Surface Damage Release, to Harvest (US) Holdings, Inc. of 1177 Enclave Parkway, Suite 300, Houston, Texas 77077, hereafter referred to as "Harvest", dated November 26, 2008

for the purpose of drilling, and producing oil, gas, and other minerals, laying pipelines, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from Oil & Gas Well on the following lands (the "Lands") in Duchesne County Utah:

Section 20 and Section 29, Township 4 South-Range 2 West, USM, Duchesne County.

See attached Plat for well locations:

Plat well #	Well Name	Location
2	Moon #2-29-4-2	Center T.10 S. (SENE) Section 29
4	Moon #4-29-4-2	Center NENE Section 29
6	Moon #2-20-4-2	Center SENE Section 20
8	Moon #4-20-4-2	Center NENE Section 20

The Surface Damage Release is effective as long thereafter as oil, gas, or other minerals are produced from the Lands, or other lands pooled with the Lands, according to and by the terms and provisions of the Lease(s) covering said Lands. This Memorandum is placed of record for the purpose of giving notice of the Surface Damage Release.

SURFACE OWNER:

Gordon Moon
 Gordon Moon, Managing Member

ACKNOWLEDGEMENT

STATE OF Utah)
)
 COUNTY OF Duchesne)

BEFORE me, the undersigned, a Notary Public in and for said County and State, on this 26 day of November, 2008, personally appeared Gordon Moon, Managing Member of Moon Ranch, LLC, me known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

Melanie Dawn Clegg
 Notary Public

My Commission Expires: 1-30-2012



December 4, 2008

Utah Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

RE: Designation of Agent

To Whom It May Concern:

By this letter, Harvest (US) Holdings, Inc. hereby authorizes Terry L. Hoffman with Rocky Mountain Permitting, LLC to act as Agent on behalf of Harvest (US) Holdings, Inc. within the State of Utah. Rocky Mountain Permitting, LLC is authorized to enter into agreements on behalf of Harvest (US) Holdings, Inc. with Federal, State and Local agencies and they shall have the ability to deliver and receive proprietary information for Harvest (US) Holdings, Inc.

If you have any questions or concerns, please feel free to contact myself Joe Schmid at 435.725.1901, or via email at jschmid@harvestnr.com.

I thank you in advance for your cooperation.

Sincerely yours,

HARVEST (US) HOLDINGS, INC.

Joe Schmid
Uintah Drilling & Production Superintendant

cc: Joe Schmid
Rocky Mountain Permitting

API Number: 4301350004

Well Name: Moon 4-29-4-2

Township 04.0 S Range 02.0 W Section 29

Meridian: UBM

Operator: HARVEST (US) HOLDINGS, INC

Map Prepared:
Map Produced by Diana Mason

Units

STATUS

ACTIVE

EXPLORATORY

GAS STORAGE

NF PP OIL

NF SECONDARY

PI OIL

PP GAS

PP GEOTHERML

PP OIL

SECONDARY

TERMINATED

Fields

STATUS

ACTIVE

COMBINED

Sections

Township

Wells Query Events

✕

<all other values>

GIS_STAT_TYPE

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APD

DRL

GI

GS

LA

NEW

OPS

PA

PGW

POW

RET

SGW

SOW

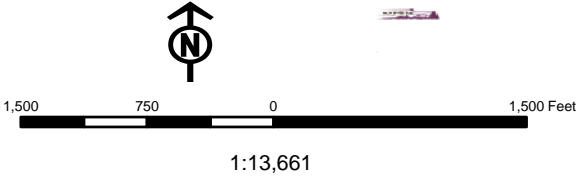
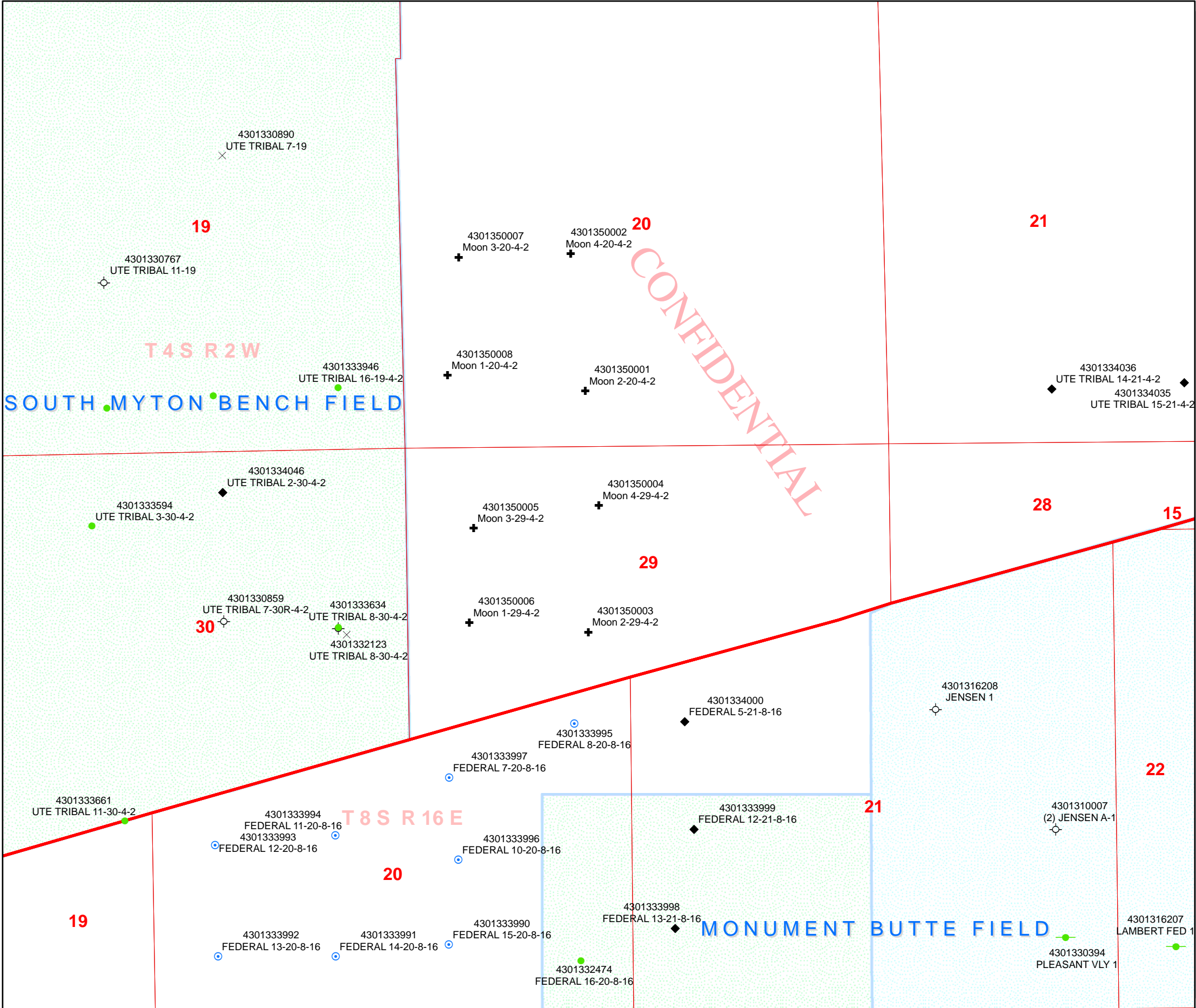
TA

TW

WD

WI

WS



Well Name	HARVEST (US) HOLDINGS, INC Moon 4-29-4-2 43013500040000			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	600	6600		
Previous Shoe Setting Depth (TVD)	0	600		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	0	2000		
Casing Internal Yield (psi)	2950	4810		
Operators Max Anticipated Pressure (psi)	2858	8.3		

Calculations	Surf String	8.625	"
Max BPH (psi)	.052*Setting Depth*MW=	259	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	187	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	127	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	127	NO Reasonable depth, common in area, no expected pressures
Required Casing/BOPE Test Pressure=		600	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

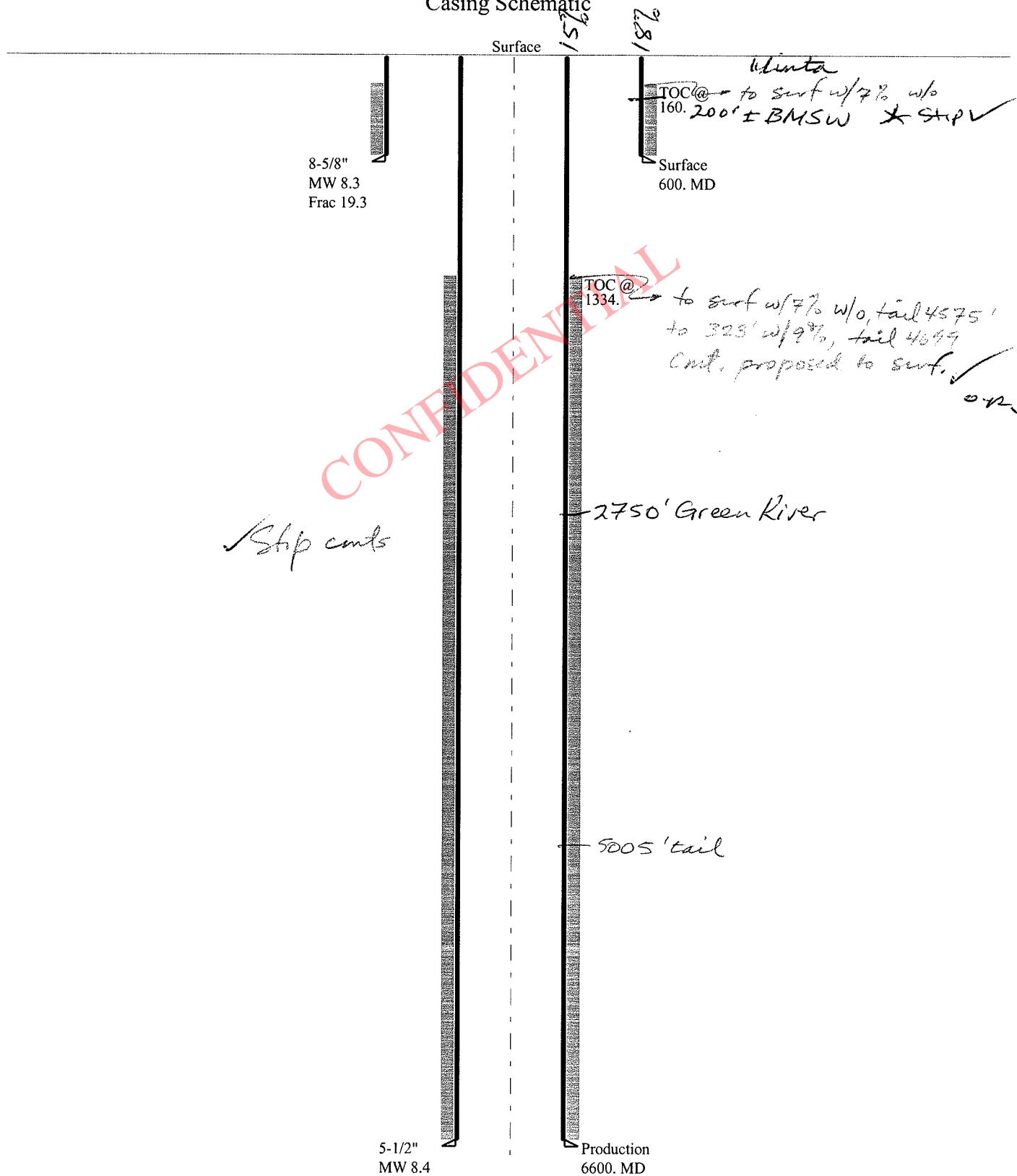
Calculations	Prod String	5.500	"
Max BPH (psi)	.052*Setting Depth*MW=	2883	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2091	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1431	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1563	NO Reasonable, common in area
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		600	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BPH (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BPH (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43013500040000 Moon 4-29-4-2

Casing Schematic



Well name:	43013500040000 Moon 4-29-4-2		
Operator:	HARVEST (US) HOLDINGS, INC		
String type:	Surface	Project ID:	43-013-50004
Location:	DUCHESNE COUNTY		

Design parameters:

Collapse

Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 82 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Burst:

Design factor 1.00

Cement top: 160 ft

Burst

Max anticipated surface pressure: 528 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 600 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 525 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 6,600 ft
Next mud weight: 8.400 ppg
Next setting BHP: 2,880 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 600 ft
Injection pressure: 600 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	600	8.625	24.00	J-55	ST&C	600	600	7.972	3088
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	259	1370	5.297	600	2950	4.92	14.4	244	16.95 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: March 3,2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 600 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43013500040000 Moon 4-29-4-2		
Operator:	HARVEST (US) HOLDINGS, INC		
String type:	Production	Project ID:	43-013-50004
Location:	DUCHESNE COUNTY		

Design parameters:

Collapse

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 166 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Burst:

Design factor 1.00

Cement top: 1,334 ft

Burst

Max anticipated surface pressure: 1,428 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,880 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Non-directional string.

Tension is based on air weight.
Neutral point: 5,761 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6600	5.5	15.50	J-55	ST&C	6600	6600	4.825	21954
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2880	4040	1.403	2880	4810	1.67	102.3	202	1.97 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: March 3, 2009
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6600 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator	HARVEST (US) HOLDINGS, INC				
Well Name	Moon 4-29-4-2				
API Number	43013500040000	APD No	1244	Field/Unit	UNDESIGNATED
Location: 1/4,1/4	NENW	Sec	29	Tw	4.0S
		Rng	2.0W	623	FNL 2130 FWL
GPS Coord (UTM)	573781	4440292	Surface Owner	Moon Ranch, LLC	

Participants

Floyd Bartlett (DOGM), Joseph Schmid (Harvest Holdings Drilling/ Production Superintendent) and Terry Hoffman (Rocky Mountain Permitting, LLC; Agent for Harvest Holdings. INC)

Regional/Local Setting & Topography

Amended APD (10-21-2009). Harvest (US) Holdings, INC has entered into an agreement with Newfield Production Company to Drill and operate this well. Newfield will complete the drilling using an open mud circulation system with a reserve pit. The Location Layout sheet is amended to include a reserve pit 40' x 80' x 8' deep located 34 feet south of the well-head. The pit will be lined with a 16-mil liner and a felt sub-liner as needed to cushion the liner.

The general area is approximately 7 road miles southwest of Myton, Duchesne County, UT in the middle Pleasant Valley Wash area. Pleasant Valley Wash is an ephemeral drainage, which joins Pariette Draw drainage. The drainage shows no signs of recent significant flows. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 11 miles downstream from the location. The area is above the agricultural lands of Pleasant Valley. Broad flats intersected by swales with gentle to moderate side slopes characterize topography. Access is by State and County and planned oil field development roads. Approximately 100 feet of new construction extending east from the Nine Mile Road across Moon's private land will be required to reach the location.

The proposed Moon 4-29-4-2 oil well location is immediately east of the Nine Mile Road. It is on a flat with a very gentle slope to the northeast. A significant wide swale is located to the south. The pit to bury the drilling cuttings extends to the north edge of this swale. No drainages intersect the location and no diversions are needed. A berm is planned around the edge of the pad. No springs, streams, seeps or ponds are known to exist in the immediate area. The selected site appears to be a good location for constructing a pad, drilling and operating a well.

Moon Ranches own the surface of the location. The minerals are also privately owned. Mr. Gordon Moon was invited to the pre-site visit but was not able to attend. A signed landowner agreement exists.

The well will be drilled using a closed loop mud circulating system. A 200' x 24' x 8' deep pit to bury the cuttings is planned along the southwest side of the location.

Surface Use Plan

Current Surface Use
Wildlfe Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.01	Width 250 Length 315	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Vegetation on the area is an abundant desert shrub type. Approximately 4 inches of snow covered most of the site. Identifiable vegetation included halogeton, horsebrush, cheatgrass, Indian ricegrass, globe mallow, winter fat, mat saltbrush, shadscale, curly mesquite, rabbit brush and spring annuals.

Antelope, deer, prairie dogs, small mammals and birds.

Soil Type and Characteristics

Deep sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potential Observed?** **Cultural Survey Run?** N **Cultural Resources?**

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		30

1 Sensitivity Level

Characteristics / Requirements

Amended APD (10-21-2009). Harvest (US) Holdings, INC has entered into an agreement with Newfield Production Company to Drill and operate this well. Newfield will complete the drilling using an open mud circulation system with a reserve pit. The Location Layout sheet is amended to include a reserve pit 40' x 80' x 8' deep located 34 feet south of the well-head. The pit will be lined with a 16-mil liner and a felt sub-liner as needed to cushion the liner.

Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required?

Other Observations / Comments

Amended 10/21/2009. Changed to use an open-loop mud circulation system with a reserve pit.

Floyd Bartlett
Evaluator

1/15/2009
Date / Time

CONFIDENTIAL

Application for Permit to Drill Statement of Basis

10/29/2009

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
1244	43013500040000	LOCKED	OW	P	No
Operator	HARVEST (US) HOLDINGS, INC		Surface Owner-APD	Moon Ranch, LLC	
Well Name	Moon 4-29-4-2		Unit		
Field	UNDESIGNATED		Type of Work	DRILL	
Location	NENW 29 4S 2W U 623 FNL 2130 FWL		GPS Coord (UTM)	573771E	4440279N

Geologic Statement of Basis

Harvest proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 200'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed surface casing and cement should adequately protect usable ground water in the area.

Brad Hill
APD Evaluator

1/22/2009
Date / Time

Surface Statement of Basis

Amended APD (10-21-2009). Harvest (US) Holdings, INC has entered into an agreement with Newfield Production Company to Drill and operate this well. Newfield will complete the drilling using an open mud circulation system with a reserve pit. The Location Layout sheet is amended to include a reserve pit 40' x 80' x 8' deep located 34 feet south of the well-head. The pit will be lined with a 16-mil liner and a felt sub-liner as needed to cushion the liner.

The general area is approximately 7 road miles southwest of Myton, Duchesne County, UT in the middle Pleasant Valley Wash area. Pleasant Valley Wash is an ephemeral drainage, which joins Pariette Draw drainage. The drainage shows no signs of recent significant flows. Pariette Draw runs into the Green River approximately 6 miles downstream from Ouray, Utah and about 11 miles downstream from the location. The area is above the agricultural lands of Pleasant Valley. Broad flats intersected by swales with gentle to moderate side slopes characterize topography. Access is by State and County and planned oil field development roads. Approximately 100 feet of new construction extending east from the Nine Mile Road across Moon's private land will be required to reach the location.

The proposed Moon 4-29-4-2 oil well location is immediately east of the Nine Mile Road. It is on a flat with a very gentle slope to the northeast. A significant wide swale is located to the south. The pit to bury the drilling cuttings extends to the north edge of this swale. No drainages intersect the location and no diversions are needed. A berm is planned around the edge of the pad. No springs, streams, seeps or ponds are known to exist in the immediate area. The selected site appears to be a good location for constructing a pad, drilling and operating a well.

Moon Ranches own the surface of the location. The minerals are also privately owned. Mr. Gordon Moon was invited to the pre-site visit but was not able to attend. A signed landowner agreement exists.

Floyd Bartlett
Onsite Evaluator

1/15/2009
Date / Time

Application for Permit to Drill Statement of Basis

10/29/2009

Utah Division of Oil, Gas and Mining

Page 2

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall as needed be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

CONFIDENTIAL

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 12/29/2008

API NO. ASSIGNED: 43013500040000

WELL NAME: Moon 4-29-4-2

OPERATOR: HARVEST (US) HOLDINGS, INC (N3520)

PHONE NUMBER: 303 250-0619

CONTACT: Terry Hoffman

PROPOSED LOCATION: NENW 29 040S 020W

Permit Tech Review: ☒

SURFACE: 0623 FNL 2130 FWL

Engineering Review: ☒

BOTTOM: 0623 FNL 2130 FWL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.11148

LONGITUDE: -110.13438

UTM SURF EASTINGS: 573771.00

NORTHINGS: 4440279.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ **PLAT**

☒ **Bond:** STATE/FEE - B004657

☐ **Potash**

☐ **Oil Shale 190-5**

☐ **Oil Shale 190-3**

☐ **Oil Shale 190-13**

☒ **Water Permit:** Neil Moon Pond

☐ **RDCC Review:**

☒ **Fee Surface Agreement**

☐ **Intent to Commingle**

Commingle Approved

LOCATION AND SITING:

☐ **R649-2-3.**

Unit:

☐ **R649-3-2. General**

☐ **R649-3-3. Exception**

☒ **Drilling Unit**

Board Cause No: Cause 266-01

Effective Date: 5/5/2009

Siting: 460' fr drl u bdry & 920' fr other wells

☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill
25 - Surface Casing - hmadonald



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Moon 4-29-4-2
API Well Number: 43013500040000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 10/29/2009

Issued to:

HARVEST (US) HOLDINGS, INC, 1177 Enclave Parkway, Houston, TX 77077

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 266-01. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
- OR
- submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <https://oilgas.ogm.utah.gov>

- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

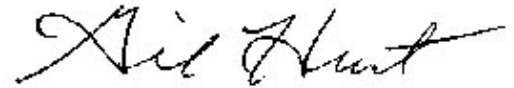
- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-942-0871 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



Gil Hunt
Associate Director, Oil & Gas

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ

2. CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

10/30/2009

FROM: (Old Operator):

N3520-Harvest (US) Holdings, Inc.
 1177 Enclave Pkwy, Suite 300
 Houston, TX 77077
 Phone: 1 (281) 899-5704

TO: (New Operator):

N2695-Newfield Production Company
 1001 17th St, Suite 2000
 Denver, CO 80202
 Phone: 1 (303) 893-0102

CA No.

Unit:

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
Moon 2-20-4-2	20	040S	020W	4301350001		Fee	OW	APD	C
Moon 4-20-4-2	20	040S	020W	4301350002		Fee	OW	APD	C
Moon 2-29-4-2	29	040S	020W	4301350003		Fee	OW	APD	C
Moon 4-29-4-2	29	040S	020W	4301350004		Fee	OW	APD	C
Moon 3-29-4-2	29	040S	020W	4301350005		Fee	OW	APD	C
Moon 1-29-4-2	29	040S	020W	4301350006	99999	Fee	OW	DRL	C
Moon 3-20-4-2	20	040S	020W	4301350007		Fee	OW	APD	C
Moon 1-20-4-2	20	040S	020W	4301350008		Fee	OW	APD	C

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on 11/2/2009
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 11/2/2009
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 11/9/2007
- 4a. Is the new operator registered in the State of Utah: yes Business Number: 755627-0143
- 4b. If **NO**, the operator was contacted contacted on:
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete or n/a
- 5c. Reports current for Production/Disposition & Sundries on: ok
- 6. Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 11/5/2009
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 11/5/2009
- Bond information entered in RBDMS on: 11/5/2009
- Fee/State wells attached to bond in RBDMS on: 11/5/2009
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: 11/5/2009

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: n/a
- 2a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number B001834
- 2b. The **FORMER** operator has requested a release of liability from their bond (n/a)
 The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 11/10/2009

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: Newfield Production Company <u>N2695</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 17th St. Suite 2000 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>623 FNL 2130 FWL</u>		8. WELL NAME and NUMBER: Moon 4-29-4-2
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>NENW 29 4S 2W S</u>		9. API NUMBER: 4301350004
COUNTY: <u>Duchesne</u>		10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: <u>UTAH</u>		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Change of Operator from Harvest (US) Holdings, Inc to Newfield Production Company (WYB000493) B001834
CR

Harvest (US) Holdings, Inc. N3520
Patrick R Oenbring
Printed Name: Patrick R. Oenbring
Title: VP - Western Operations

Date: 10/28/09

NAME (PLEASE PRINT) Kelly Donohoue TITLE Newfield Production Company, Land Lead
SIGNATURE Kelly Donohoue DATE 10/30/09

(This space for State use only)

APPROVED 11/05/2009

Carlene Russell
Division of Oil, Gas and Mining
Carlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

NOV 02 2009

DIV OF OIL GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	Moon 4-29-4-2
API number:	4301350004
Location:	Qtr-Qtr: NENW Section: 29 Township: 4S Range: 2W
Company that filed original application:	Harvest (US) Holdings, Inc
Date original permit was issued:	
Company that permit was issued to:	Harvest (US) Holdings, Inc

Check one	Desired Action:
<input checked="" type="checkbox"/>	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		<input checked="" type="checkbox"/>
If so, has the surface agreement been updated?		<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?		<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. B004657 1834ce	<input checked="" type="checkbox"/>	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Kelly Donohoue Title Newfield Production Company, Land Lead
Signature Kelly Donohoue Date 10/30/09
Representing (company name) Newfield Production Company

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

(3/2004)

RECEIVED

NOV 02 2009

DIV. OF OIL, GAS & MINING

BLM - Vernal Field Office ^{Spud} ~~CONFIDENTIAL~~ Notification Form

Operator Newfield Exploration Rig Name/# Ross # 29 Submitted
By Jim Smith Phone Number 823-
2072

Well Name/Number Moon 4-29-4-2

Qtr/Qtr NW/NE Section 29 Township 4S Range 2W

Lease Serial Number UTU- FEE

API Number 43-013-50004

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 12/09/09 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 12/09/09 5:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: **NEWFIELD PRODUCTION COMPANY**
ADDRESS: **RT. 3 BOX 3630**
MYTON, UT 84052

OPERATOR ACCT. NO. **N2695**

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	17400	43-013-33975	ASHLEY FEDERAL R-15-9-15	NWSE	15	9S	15E	DUCHESNE	12/15/09	12/19/09
WELL 1 COMMENTS: <i>GRRV</i> <i>GMBU</i> <i>NENW</i>											
A	99999	17434	43-013-50004	MOON 4-29-4-2	NWSE	29	4S	2W	DUCHESNE	12/9/09	12/22/09
<i>GRRV</i> CONFIDENTIAL											
A	99999	17435	43-013-50007	MOON 3-20-4-2	NWSE	20	4S	2W	DUCHESNE	12/08/09	12/22/09
<i>GRRV</i> CONFIDENTIAL											
A	99999	17436	43-013-50153	UTE TRIBAL 15-23-4-3	SWSE	23	4S	3W	DUCHESNE	12/15/09	12/22/09
<i>GRRV</i>											
A	99999	17437	43-047-50668	HANCOCK 10-23-4-1	NWSE	23	4S	1W	UINTAH	12/05/09	12/22/09
WELL 5 COMMENTS: <i>GRRV</i>											
A	99999	17438	43-047-50668	HANCOCK 9-23-4-1	NWSE	23	4S	1W	UINTAH	12/09/09	12/22/09
WELL 5 COMMENTS: <i>GRRV</i>											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

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DIV. OF OIL, GAS & MINING

Kim Swasey
Signature

Kim Swasey

Production Analyst
Title

12/18/2009
Date

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: FEF
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: MOON 4-29-4-2
5. PHONE NUMBER: 435.646.3721		9. API NUMBER: 4301350004
6. OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 29, T4S, R2W		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
7. COUNTY: DUCHESNE		8. STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 12/17/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Spud Notice
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 12/9/09 MIRU Ross # 29. Spud well @ 8:00 AM. Drill 625' of 12 1/4" hole with air mist. TIH W/ 12 Jt's 8 5/8" J-55 24 # csgn. Set @ 627.33/KB. On 12/16/09 cement with 328 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 16 bbls cement to pit. WOC.

NAME (PLEASE PRINT) Justin Crum

TITLE Drilling Foreman

SIGNATURE

DATE 12/17/2009

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DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8" CASING SET AT

627.33

LAST CASING 8 5/8" SET AT 627.33

DATUM

DATUM TO CUT OFF CASING

DATUM TO BRADENHEAD FLANGE

TD DRILLER	<u>625</u>	LOGG	<u>625</u>
------------	------------	------	------------

HOLE SIZE 12 1/4"

OPERATOR Newfield Exploration Company

WELL MOON 4-29-4-2

FIELD/PROSPECT MBU

CONTRACTOR & RIG # **Ross # 29**

LOG OF CASING STRING:

[illegible]

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DIV. OF OIL, GAS & MINING

[illegible]

COMPANY REPRESENTATIVE

Justin Crum

DATE 12/17/2009

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DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		8. WELL NAME and NUMBER: MOON 4-29-4-2
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 29, T4S, R2W		9. API NUMBER: 4301350004
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 12/29/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 12/22/09 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 615'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6730'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 181 jt's of 5.5 J-55, 15.5# csgn. Set @ 6706.13' / KB. Cement with 285 sks cement mixed @ 11.0 ppg & 3.43 yld. The 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 29 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 110,000 #'s tension. Release rig @ 5:00 PM on 12/28/09.

NAME (PLEASE PRINT) <u>Jim Smith</u>	TITLE <u>Drilling Foreman</u>
SIGNATURE 	DATE <u>12/29/2009</u>

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JAN 28 2010

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT

LAST CASING	<u>8 5/8"</u>	SET AT	<u>627.33</u>
DATUM	<u>12</u>		
DATUM TO CUT OFF CASING		<u>12</u>	
DATUM TO BRADENHEAD FLANGE			<u>12</u>
TD DRILLER	<u>6730</u>	LOGC	<u>6714</u>
HOLE SIZE	<u>7 7/8"</u>		

OPERATOR Newfield Exploration Company
WELL MOON 4-29-4-2
FIELD/PROSPECT MBU
CONTRACTOR & RIG # NDSI # 1

LOG OF CASING STRING:

[illegible]

[illegible]

COMPANY REPRESENTATIVE

Jim Smith

DATE **12/28/2009**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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LEASE DESIGNATION AND SERIAL NUMBER:
MON BUTTE EDA 20G0005609
INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: Moon 4-29-4-2
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052	PHONE NUMBER 435.646.3721	9. API NUMBER: 4301350004
4. LOCATION OF WELL: FOOTAGES AT SURFACE:		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 29, T4S, R2W		COUNTY: DUCHESNE STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
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	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 02/03/2010	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 02/03/2010, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Administrative Assistant
SIGNATURE  DATE 02/08/2010

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FEB 11 2010
DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

MOON 4-29-4-2

11/1/2009 To 3/28/2010

1/7/2010 Day: 1

Completion

Rigless on 1/7/2010 - Run CBL & shoot first stage. - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 6623' cement top @ 34'. Perforate stage #1. BS sds @ 6549-51' & 6533-35' & CP5 sds @ 6507-13' w/ 3 1/8" port plug guns (11 gram, .36" EH, 120°, 16.82" pen, PPG-3111-301 Titan) w/ 3 spf for total of 30 shots. 159 BWTR. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$12,036

1/12/2010 Day: 2

Completion

Rigless on 1/12/2010 - MIRU BJ Services & Perforators WLT, Crane & lubricator. Frac 3 stage, Perforate the 4th stage. SIWFN w/ 5522 BWTR. - Stage #1 BS & CPS sands. RU BJ Services. 190 psi on well. Broke @ 3390 psi. ISIP @ 2609 psi, 1 min @ 2488 psi, 4 min @ 2184 psi. FG @ .83. Frac BS & CP5 sds w/ 14,766#'s of 20/40 sand in 332 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3383 psi w/ ave rate of 25 BPM. ISDP 3269 psi, 5 min @ 2878 psi, 10 min @ 2713 psi, 15 min @ 2587 psi. FG @ .93. Leave pressure on well. 491 BWTR. - Stage #2. LODC sands. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug, 5', 2', 3', 2', 4', 2', 2' & 3' perf guns. Set plug @ 5981'. Perforate LODC sds @ 5886- 91', 5863- 65', 5843- 46', 5825- 27', 5798- 5802', 5783- 85', 5769- 71' & 5727- 30' w/ 3 1/8" ported gun (.36" EH, 11 gram, 120°, 16.82" pen) w/ 3 spf for total of 69 shots (2 runs). RU BJ Services. 193 psi on well. Broke @ 2512 psi. ISIP 1530 psi. Pumped 2000 gals of 15% HCL & dropped 175 bio balls. ISIP 2140 psi, FG .80. 5 min 1530 psi, 10 min 1785 psi, 15 min 1728 psi. Surge off balls. Shut in well for 30 mins. Frac LODC sds w/ 591,578#'s of 20/40 sand in 4620 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3206 psi w/ ave rate of 54 BPM. ISDP 2460 psi. FG @ .86. 5 min 2349 psi, 10 min 2290 psi, 15 min 2224 psi. Leave pressure on well. 5111 BWTR. - Stage #3. B.5 sands. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 7' perf guns. Set plug @ 5561'. Perforate B.5 sds @ 5482- 89' w/ 3 1/8" ported gun (.36" EH, 11 gram, 120°, 16.82" pen) w/ 3 spf for total of 21 shots. RU BJ Services. 1813 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. 1081 psi on well. Broke @ 3181 psi. NO ISIP, 1 min or 4 min due to sand. Frac B.5 sds w/ 30,227#'s of 20/40 sand in 411 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2708 psi w/ ave rate of 23.7 BPM. ISDP 2192 psi. FG @ .83. 5 min 1852 psi, 10 min 1665 psi, 15 min 1596 psi. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 4' perf guns. Set plug @ 4859'. Perforate GB6 sds @ 4775- 79' w/ 3 1/8" ported gun (.36" EH, 11 gram, 120°, 16.82" pen) w/ 3 spf for total of 12 shots. Leave pressure on well. 5522 BWTR. - -

Daily Cost: \$0

Cumulative Cost: \$42,592

1/13/2010 Day: 3

Completion

Nabors #814 on 1/13/2010 - Frac last 2 stages. Flowback well, Rec 1065 BTF. MIRU Nabors 814. RU pump & lines. SIWFN w/ 5144 BWTR. - Stage #4. GB6 sands. Hot oiler steamed & thawed out BOP & WH. RU BJ Services. 573 psi on well. Broke @ 2527 psi. ISIP 2062 psi,

FG .87. 1 min 1736 psi, 4 min 1563 psi. Frac GB6 sds w/ 12,207#'s of 20/40 sand in 253 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3525 psi w/ ave rate of 22.3 BPM. ISDP 2581 psi. FG @ .97. 5 min 2290 psi, 10 min 2227 psi, 15 min 2183 psi. Leave pressure on well. 5775 BWTR. - Stage #5. GG1 sands. RU The Perforators LLC WLT, crane & lubricator. RIH w/ Weatherford 5 1/2" 6K composite flow through frac plug & 6' perf guns. Set plug @ 4531'. Perforate GG1 sds @ 4455- 61' w/ 3 1/8" ported gun (.36" EH, 11 gram, 120°, 16.82" pen) w/ 3 spf for total of 18 shots. RU BJ Services. 1632 psi on well. Broke @ 3727 psi. NO ISIP, 1 min or 4 min due to sand. Frac GG1 sds w/ 32,082#'s of 20/40 sand in 434 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3155 psi w/ ave rate of 26.6 BPM. ISDP 2600 psi. FG @ 1.02. 5 min 1850 psi, 10 min 1814 psi, 15 min 1789 psi. Begin flowback on 20/64 choke @ 3 BPM. Flowed for 6 1/2 hrs & died. Rec 1065 BTF. MIRU Nabors 814. RU pupmp & lines. SIWFN w/ 5144 BWTR.

Daily Cost: \$0

Cumulative Cost: \$254,103

1/15/2010 Day: 4

Completion

Nabors #814 on 1/15/2010 - Change out BOP & WH. PU & RIH w/ 4 3/4" bit & 2 7/8 J-55 tbg. Drill up 2 CBP. - Hot oiler steamed & thawed out BOP & WH. 80 psi on well. Bleed off pressure. ND Cameron BOP & 5M WH. NU 3M WH & Schaffer BOP. Talley, PU & RIH w/ "New" 4 3/4" bit, Bit sub & 2 7/8" J-55 tbg. Tagged sand @ 4465. RU Nabors power swivel & pump lines. Circulate sand & drill out plugs. Sand @ 4465', Plug @ 4531' (Drilled up in 45 mins), Tagged sand @ 4810', Plug @ 4859' (Drilled up in 15 mins). Circulate well clean. Hang back power swivel. POOH w/ 20 jts. EOT @ 4237'. SIWFN w/ 5144 BWTR.

Daily Cost: \$0

Cumulative Cost: \$260,401

1/18/2010 Day: 5

Completion

Nabors #814 on 1/18/2010 - Drill up last 2 CBP's. C/O to PBTD. Swab. Well started flowing, Flowed for 1 hr. SIWFN w/ 4979 BWTR. - Hot oiler steamed & thawed out WH & BOP. Continue TIH w/ tbg. Tagged sand @ 5417'. RU power swivel, pump & lines. Circulate sand & drill up plugs as follows: Sand @ 5417', Plug @ 5561' (Drilled up in 15 mins). Sand @ 5870', Plug @ 5981' (Drilled up in 18 mins). Tagged sand @ 6545'. C/O to PBTD @ 6667'. POOH w/ 2 jts of tbg. EOT @ 6518'. RU swab equipment. IFL @ surface. Made 8 runs. Rec 85 BTF. Well started flowing. Flowed well for 1 hr. Rec 80 bbls. SIWFN w/ 4979 BWTR.

Daily Cost: \$0

Cumulative Cost: \$267,102

1/19/2010 Day: 6

Completion

Nabors #814 on 1/19/2010 - Thaw out BOP & WH. 1300 psi csg, 750 psi tbg. Bleed off psi. Pumped 50 bbls of wtr to top kill well. C/O to PBTD. TOH w/ tbg to 4460'. Pumped 100 bbls 10# brine to kill. TOH w/ tbg. TIH w/ production tbg. Try to set TA. SIWFN w/ 5039 BWTR. - Hot oiler steamed & thawed out BOP & WH. 1300 psi on csg, 750 psi on tbg. Bleed off csg. Pumped 50 bbls of wtr down tbg to top kill. TIH w/ 5 jts of tbg. Tagged fill @ 6650'. C/O to PBTD @ 6667'. Rig pump broke down, Used hot oiler to finish circulating well clean. LD 8 jts of tbg. TOH w/ 60 jts of tbg. EOT @ 4460'. Change out rig pump. Pumped 100 bbls of 10# brine to kill well. Finsih TOH w/ tbg. LD bit & bit sub. TIH w/ production tbg as follows: Bull plug & collar, 3- jts of 2 7/8 J-55 tbg, 2 7/8" nipple, PBGA, 1- jt of tbg, SN, 1- jt of tbg, TAC, 192- jts of tbg. ND BOP. Tried to set TA. Was unable to set TA. SIWFN w/ 5039 BWTR.

Daily Cost: \$0

Cumulative Cost: \$274,420

1/20/2010 Day: 7**Completion**

Nabors #814 on 1/20/2010 - Thaw out well. 500 psi csg, 300 psi tbg. Circ well w/ 10# brine. Try to set TA, No luck. TOH w/ tbg for new TA. TIH w/ new TA. Try to set TA, No luck. Circ well w/ 140 BW @ 250°. Try set TA. No luck. SIWFN w/ 5068 BWTR. - Hot oiler steamed & thawed out BOP & WH. 500 psi on csg, 300 psi on tbg. Bleed off pressure. Circulate well w/ 100 bbls of brine to kill well. Try to set TA with out success. TOH w/ tbg. Make up new TA. TIH w/ tbg. Pump 20 bbls of brine down csg, 10 bbls of brine down tbg. ND BOP. Try to set TA. Worked tbg w/ tongs. Tried to set TA 1 jt high & 1 jt lower with out any success. NU BOP. Hot oiler circulate well w/ 140 bbls @ 250°. Try to set TA. No success. SIWFN w/ 5068 BWTR. -

Daily Cost: \$0

Cumulative Cost: \$281,198

1/21/2010 Day: 8**Completion**

Nabors #814 on 1/21/2010 - Set TA. PU & run pump and rod string. - Thaw wellhead & BOP W/ HO trk. SICP @ 100 psi, tbg on slight vacuum. Work at setting TA--set good. Release TA. ND BOP. Re-set TA @ 6268' W/ SN @ 6303' & EOT @ 6441'. Land tbg W/ 17,000# tension. NU wellhead. PU & TIH W/ pump and "A" grade rod string as follows: new Central Hydraulics 2 1/2" X 1 1/2" X 24' RHAC pump, 6-1 1/2" wt rods, 20-3/4" scraped rods, 127-3/4" plain rods, 99-7/8" scraped rods, 1-4' X 7/8" pony rods and 1 1/2" X 26' polished rod. Seat pump & RU pumping unit. Fill tbg W/ 3 BW. Pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Shut in wellhead valves. Est 5068 BWTR.

Daily Cost: \$0

Cumulative Cost: \$316,695

2/4/2010 Day: 9**Completion**

WWS #5 on 2/4/2010 - Replaced stuck rod pump. RDMOSU. - Well was shut in for 13 days due to CTB constrictions. When pumping unit was started, pump stuck. - MIRU Western #5. RU HO trk & pump 60 BW dn annulus @ 250°F. RD pumping unit & unseat pump. Flush tbg & rods W/ 35 BW @ 250°F. TOH W/ rod string and LD pump. RU HO trk & flush tbg W/ 45 BW @ 250°F. PU new 2 1/2" X 1 1/2" X 24' RHAC pump & TIH on original rod string. Seat pump & RU pumping unit. W/ tbg full, pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 140 BWTR. Place well on production @ 2:30 PM 2/3/2010 W/ 122" SL @ 5 SPM. FINAL REPORT!! **Finalized**

Daily Cost: \$0

Cumulative Cost: \$324,213

Pertinent Files: Go to File List

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

2. Name of Operator
NEWFIELD EXPLORATION COMPANY3. Address
1401 17TH ST. SUITE 1000 DENVER, CO 802023a. Phone No. (include area code)
(435)646-3721

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 623' FNL & 2130' FWL (NE/NW) SEC. 29, T4S, R2W

At top prod. interval reported below

At total depth 6730'

14. Date Spudded
12/09/200915. Date T.D. Reached
12/28/200916. Date Completed 02/03/2010
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)*
5463' GL 5475' KB18. Total Depth: MD 6730'
TVD19. Plug Back T.D.: MD 6667'
TVD20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	627'		328 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	6706'		285 PRIMLITE		34'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT @ 6441'	TA @ 6268'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER			See Below			
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
See Below	See Below

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01-29-10	2-18-10	24	→	247	0.78	50			2-1/2" x 1-1/2" x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→					PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	4182' 4403'
				GARDEN GULCH 2 POINT 3	4529' 4818'
				X MRKR Y MRKR	5065' 5094'
				DOUGALS CREEK MRK BI CARBONATE MRK	5212' 5458'
				B LIMESTON MRK CASTLE PEAK	5589' 6179'
				BASAL CARBONATE	6570'

32. Additional remarks (include plugging procedure):

Stage 1: Green River Formation (CP5 & BS) 6507-6513', 6533-6551', .36" 3/30 Frac w/ 14766#s of 20/40 sand in 120 bbls of Lightning 17 fluid

Stage 2: Green River Formation (LODC) 5727-5891', .36" 3/69 Frac w/ 591578#s of 20/40 sand in 4236 bbls of Lightning 17 fluid

Stage 3: Green River Formation (B.5) 5482-5489' .36" 3/21 Frac w/ 30227#s of 20/40 sand in 245 bbls of Lightning 17 fluid

Stage 4: Green River Formation (GB6) 4775-4779', .36" 3/12 Frac w/ 12207#s of 20/40 sand in 81 bbls of Lightning 17 fluid

Stage 5: Green River Formation (GG1) 4455-4461' .36" 3/18 Frac w/ 32082#s of 20/40 sand in 250 bbls of Lightning 17 fluid

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
☒ Other: Drilling Daily Activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Lucy Chavez-Naupoto

Title Administrative Assistant

Signature

Date 02/19/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

Daily Activity Report**Format For Sundry****MOON 4-29-4-2****10/1/2009 To 2/28/2010****MOON 4-29-4-2****Waiting on Cement****Date:** 11/21/2009

Ross #29 at 625. Days Since Spud - set at 627' KB - 12/16/09 cement w/ BJ 328 sacks class "G" +2%CaCl=.25#sk cello flake 15.8 ppg 1.17 yield. - Return 16 bbls to reserve pit. Bump plug 548 psi - 12/9/09 MIRU Ross #29 spud at 8:00 am. Drill to 625'. Trip out and run 14 jts 8 5/8" 24# j-55 casing

Daily Cost: \$0**Cumulative Cost:** \$80,291

MOON 4-29-4-2**Waiting on Cement****Date:** 12/22/2009

NDSI #1 at 625. 0 Days Since Spud - Tear down prepare for field rig move

Daily Cost: \$0**Cumulative Cost:** \$81,241

MOON 4-29-4-2**Drill 7 7/8" hole with fresh water****Date:** 12/23/2009

NDSI #1 at 1069. 1 Days Since Spud - Survey @ 617= 3/4 degree. Install rotating rubber - Move rig and set up all equipment - Test kelly,safety valve, pipe&blind rams,choke to 2000# , casing to 1500 psi - Pick up BHA and Tag @ 615' - pick up and thaw the kelly out - Drill 7 7/8" hole with fresh water to a depth of 694' - Drill 7 7/8" hole with fresh water to a depth of 1069' - No H2S or flow last 24 hours

Daily Cost: \$0**Cumulative Cost:** \$114,028

MOON 4-29-4-2**Drill 7 7/8" hole with fresh water****Date:** 12/24/2009

NDSI #1 at 2601. 2 Days Since Spud - Drill 7 7/8" hole with fresh water to a depth of 2227' - No H2S or flow in last 24 hours - Rig service , check crownomatic and BOP - Drill 7 7/8" hole with fresh water to a depth of 2601' - Survey @ 2150= 1/4 degree - Drill 7 7/8" hole with fresh water to a depth of 1194' - Survey @ 1117= 3/4 degree - Drill 7 7/8" hole with fresh water to a depth of 1694'

Daily Cost: \$0**Cumulative Cost:** \$128,283

MOON 4-29-4-2**Drill 7 7/8" hole with fresh water****Date:** 12/25/2009

NDSI #1 at 3727. 3 Days Since Spud - No H2S in last 24 hours - Drill 7 7/8" hole with fresh water to a depth of 3727' - Survey @ 3525= 2.5 degrees, well flowing 20 gal/min - Drill 7 7/8" hole with fresh water to a depth of 3602' - pull corrosion ring , and trip back in the hole - Trip out of the hole to find problem, Survey was hanging up on corrosion ring - Circulate bottoms up for trip - Survey @ 3494= survey wont go past 2888' - Drill 7 7/8" hole with fresh water to a depth of 3571' - Survey @ 3401= miss run - Drill 7 7/8" hole with fresh water to a depth of 3478' - Survey @ 2901=1.5 degrees - Rig service, check crownomatic and BOP, no flow - Drill 7 7/8" hole with fresh water to a depth of 2978'

Daily Cost: \$0

Cumulative Cost: \$141,588

MOON 4-29-4-2**Drill 7 7/8" hole with fresh water**

Date: 12/26/2009

NDSI #1 at 4754. 4 Days Since Spud - Drill 7 7/8" hole with fresh water to a depth of 4134' - Drill 7 7/8" hole with fresh water to a depth of 4634' - Survey @ 4057=2 degrees, Rig service, check crownomatic and BOP, flow=22 gal/min - Drill 7 7/8" hole with fresh water to a depth of 4758' - No H2S in Last 24 hours , Flow=22 gal/min - Survey @ 4557= 2 degrees

Daily Cost: \$0

Cumulative Cost: \$169,578

MOON 4-29-4-2**Drill 7 7/8" hole with fresh water**

Date: 12/27/2009

NDSI #1 at 6143. 5 Days Since Spud - Drill 7 7/8" hole with fresh water to a depth of 5643' - Drill 7 7/8" hole with fresh water to a depth of 5143' - Rig service Funtion test pipe rams and crownomatic - Flow 20 gal/min - Survey @ 5066' 2.74° - Drill 7 7/8" hole with fresh water to a depth of 6143' - Survey @ 5566' 2°

Daily Cost: \$0

Cumulative Cost: \$187,141

MOON 4-29-4-2**Running casing**

Date: 12/28/2009

NDSI #1 at 6730. 6 Days Since Spud - Drill 7 7/8" hole with fresh water to a depth of 6674' - Replace drum chain - Drill 7 7/8" hole with fresh water to a depth of 6737' TD - Lay down DP to 4000' - Pump 300 bbls brine - Lay down DP and BHA - R/U Psi run DISGL/SP/GR suite TD to surface- DSN/SDL/GR/CAL suite TD to 3000' (loggers TD 6714') - R/U Liddell csg run 181 jt 5.5 15.5# j-55 LTC - Circulate - Check flow 12 gal min

Daily Cost: \$0

Cumulative Cost: \$223,377

MOON 4-29-4-2**Wait on Completion**

Date: 12/29/2009

NDSI #1 at 6730. 7 Days Since Spud - GS set @ 6706.13' KB- FC set @ 6668.32' KB - Circulate csg w/Rig pump - CMT w/BJ Pump 285 sks PL II +3% KCL +5#CSE+0.5#CF+2#KOL+.5SMS+FP+SF mixed @ 11ppg - yield @ 3.54 Then tail of 400 sk 50:50:2+3%KCL+0.5%EC-1+.25# SK CF+.05#SF+.3SMS+FP-6L - Run 181 jts of 5.5 J-55 15.5# csg tag @ 6714' could wash down Lay down landing jt - Nipple down set 5.5 csg slips W/ 110,000# tension - Clean mud tanks - Release rig @ 5:00 PM on 12/28/09 - Mixed @ 14.4 ppg yeild @ 1.24 return 29 bbls to pit Bump plug to 2672 psi **Finalized**

Daily Cost: \$0

Cumulative Cost: \$315,521

Pertinent Files: Go to File List